QUATERNARY RESEARCH

An Interdisciplinary Journal

EDITOR
Stephen C. Porter

ASSOCIATE EDITOR
Estella B. Leopold

Volume 13, 1980

ACADEMIC PRESS
New York London Toronto Sydney San Francisco

Copyright © 1980 by the University of Washington

All Rights Reserved

No part of this publication may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopy, recording, or any information storage and retrieval system, without permission in writing from the copyright owner.

The appearance of the code at the bottom of the first page of an article in this journal indicates the copyright owner's consent that copies of the article may be made for personal or internal use, or for the personal or internal use of specific clients. This consent is given on the condition, however, that the copier pay the stated per copy fee through the Copyright Clearance Center, Inc. (21 Congress Street, Salem, Massachusetts 01970), for copying beyond that permitted by Sections 107 or 108 of the U.S. Copyright Law. This consent does not extend to other kinds of copying, such as copying for general distribution, for advertising or promotional purposes, for creating new collective works, or for resale. Copy fees for pre-1980 articles are the same as those shown for current articles.

MADE IN THE UNITED STATES OF AMERICA

CONTENTS OF VOLUME 13

Number 1, January 1980

M. G. Grosswald. Late Weichselian Ice Sheet of Northern Eurasia 1

W. F. Ruddiman, A. McIntyre, V. Niebler-Hunt, and J. T. Durazzi. Oceanic Evidence for the Mechanism of Rapid Northern Hemisphere Glaciation 33

Claudio Arias, Augusto Azzaroli, Giulio Bigazzi, and Francescopaolo Bonadonna. Magnetostratigraphy and Pliocene–Pleistocene Boundary in Italy 65

James M. Coleman. Recent Increased Aridity in Peninsular Florida 75

Ervin G. Otvos, Jr. Age of Tunica Hills (Louisiana–Mississippi) Quaternary Fossiliferous Creek Deposits; Problems of Radiocarbon Dates and Intermediate Valley Terraces in Coastal Plains 80

Donald P. Schwert and Alan V. Morgan. Paleoenvironmental Implications of a Late Glacial Insect Assemblage from Northwestern New York 93

Paul A. Delcourt, Hazel R. Delcourt, Ronald C. Brister, and Laurence E. Lackey. Quaternary Vegetation History of the Mississippi Embayment ... 111

Richard B. Brugam. Postglacial Diatom Stratigraphy of Kirchner Marsh, Minnesota 133

Letter to the Editor

Cary T. Madden. Earliest Isotopically Dated *Mammuthus* from North America 147

Errata 151

Number 2, March 1980

R. M. Koerner. Instantaneous Glacierization, the Rate of Albedo Change, and Feedback Effects at the Beginning of an Ice Age 153

Alan N. Federman and Steven N. Carey. Electron Microprobe Correlation of Tephra Layers from Eastern Mediterranean Abyssal Sediments and the Island of Santorini 160

Frederick F. Peterson. Holocene Desert Soil Formation under Sodium Salt Influence in a Playa-Margin Environment 172

W. A. Watts. Late-Quaternary Vegetation History at White Pond on the Inner Coastal Plain of South Carolina 187

Allan C. Ashworth. Environmental Implications of a Beetle Assemblage from the Gervais Formation (Early Wisconsinan?), Minnesota 200

Thomas M. Cronin. Biostratigraphic Correlation of Pleistocene Marine Deposits and Sea Levels, Atlantic Coastal Plain of the Southeastern United States 213

Maria Bianca Cita and Massimo Podenzani. Destructive Effects of Oxygen Starvation and Ash Falls on Benthic Life: A Pilot Study 230

James R. Purdue. Clinal Variation of Some Mammals during the Holocene in Missouri 242

Robert M. Thorson, David C. Plaskett, and E. James Dixon, Jr. A Reported Early-Man Site Adjacent to Southern Alaska's Continental Shelf: A Geologic Solution to an Archeologic Enigma 259

Book Review 274

Announcements 275

Number 3, May 1980

W. A. Berggren, L. H. Burckle, M. B. Cita, H. B. S. Cooke, B. M. Funnell, S. Gartner, J. D. Hays, J. P. Kennett, N. D. Opdyke, L. Pastouret, N. J. Shackleton, and Y. Takayanagi. Towards a Quaternary Time Scale 277

Robert M. Thorson. Ice-Sheet Glaciation of the Puget Lowland, Washington, during the Vashon Stade (Late Pleistocene) 303

J. J. Clague, J. E. Armstrong, and W. H. Mathews. Advance of the Late Wisconsin Cordilleran Ice Sheet in Southern British Columbia Since 22,000 Yr B.P. 322

John W. Drexler, W. I. Rose, Jr., R. S. J. Sparks, and M. T. Ledbetter. The Los Chocoyos Ash, Guatemala: A Major Stratigraphic Marker in Middle America and in Three Ocean Basins 327

Alan J. Woods. Geomorphology, Deformation, and Chronology of Marine Terraces along the Pacific Coast of Central Baja California, Mexico 346

Charles S. Alexander and Larry W. Price. Radiocarbon Dating of the Rate of Movement of Two Solifluction Lobes in the Ruby Range, Yukon Territory ... 365

Thomas C. Johnson. Late-Glacial and Postglacial Sedimentation in Lake Superior Based on Seismic-Reflection Profiles 380

D. A. Livingstone and W. D. Clayton. An Altitudinal Cline in Tropical African Grass Floras and Its Paleoecological Significance 392

Book Review 403

Author Index for Volume 13 405

The Subject Index for Volume 13 will appear in the November 1980 issue as part of a cumulative index for the year 1980.